



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0302

Philip E. Batt, Governor

December 13, 1996

CERTIFIED MAIL #P 875 705 086

Norm Rudolff, Safety Director
Idaho Sand & Gravel Company
P.O. Box 950
Nampa, Idaho 83653

RE: Idaho Sand & Gravel (Portable) - #9605-159-2
Tier II Operating Permit (#777-00009)

Dear Mr. Rudolff:

On May 31, 1996, the Department of Health and Welfare, Division of Environmental Quality (DEQ) received a Tier II Operating Permit (OP) application for a portable Hot Mix Asphalt plant for Idaho Sand & Gravel Company. On July 1, 1996, the application was declared complete.

On September 11, 1996, a proposed Tier II OP was issued for public comment. The public comment period was from September 27, 1996, through October 28, 1996. On October 7, 1996, DEQ received comments about the content of the proposed OP. These comments were addressed by DEQ in the response package.

Based on review of your application, state and federal rules and regulations, and comments received, DEQ finds this project meets the Provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, I am pleased to enclose your Tier II OP (#777-00009) for the emission sources that exist at the facility.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

Please be advised that this Tier II OP is subject to permit application fees of five hundred dollars (\$500.00) in accordance with IDAPA 16.01.01.470. IDAPA 16.01.01.470 became effective on March 7, 1995. Information regarding the permit application fees will be sent to you shortly.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Martin Bauer, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green
Assistant Administrator
Air & Hazardous Waste

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cc: Boise Regional Office
R. Wilkosz/TSB
P. Payne/AFS
Paul Glauser, Jack Parson Companies
Source File

COF

STATE OF IDAHO AIR POLLUTION OPERATING PERMIT GENERAL INFORMATION		PERMIT NUMBER 777 - 00009 AQCR CLASS SIC [][] [A2] [2951] ZONE UTM COORDINATE (km) [][] [][][][] [][][][][][]	
1. PERMITTEE Idaho Sand & Gravel Company			
2. PROJECT Portable Hot-Mix Asphalt Plant			
3. ADDRESS P.O. Box 950		TELEPHONE # (208) 466-5001	COUNTY Canyon County
4. CITY Nampa		STATE Idaho	ZIP CODE 83653
5. PERSON TO CONTACT Norm Rudolff		TITLE Safety Director	
6. EXACT PLANT LOCATION Portable			
7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Hot Mix Asphalt Production			
8. GENERAL CONDITIONS This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.400 and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be operated by this permit. This permit has been granted on the basis of design information presented with its application. Changes of design or equipment that result in any change in the nature or amount of emissions must be approved in advance by the Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ) unless exempted by the Rules for the Control of Air Pollution in Idaho Sections 200 through 225. In this permit, "year" shall mean any 12 month period.			
<i>Swille D. Green</i> ASSISTANT ADMINISTRATOR DIVISION OF ENVIRONMENTAL QUALITY		ISSUED <u>DECEMBER 13, 1996</u> Date EXPIRES <u>DECEMBER 13, 2001</u> Date	

AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

PERMITTEE AND LOCATION

Idaho Sand & Gravel
Tier II Operating Permit
Nampa, Idaho

777 - 00009

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Portable 400 T/hr Barber Green Hot Mix Asphalt Plant

1. EMISSION LIMITS

1.1 Asphalt Dryer Particulate Matter Emission Limits

Particulate matter emissions shall not exceed 0.04 grains per dry standard cubic foot, nor shall particulate matter with an aerodynamic diameter less than or equal to ten (10) microns (PM-10) and sulfur dioxide emissions from the hot-mix asphalt dryer stack exceed any corresponding emission rate limit listed in Appendix A of this permit.

1.2 Other Particulate Matter Emission Limits

Gases from systems for screening, handling, storing and weighing hot aggregate, which emanate from any stack, vent, or other functionally equivalent opening, shall not contain particulate matter emissions in excess of 0.04 grains per dry standard cubic foot.

1.3 Opacity Limit

Visible emissions shall not exceed twenty percent (20%) opacity as required in IDAPA 16.01.01.625 (Rules for the Control of Air Pollution in Idaho).

1.4 Visible Emission Limits at Property Boundary

Visible emissions emanating from all asphalt plant operations shall not be observed leaving the property boundary for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period. Visible emissions shall be determined by Method 22, 40 CFR Part 60, Appendix A, or Department approved alternative.

2. OPERATING REQUIREMENTS

2.1 Production Rate Limit

The production rate of the hot-mix asphalt plant shall not exceed a maximum of nine hundred twenty-three thousand, nine hundred seventeen tons per year (923,917 T/yr).

2.2 Non-Attainment Area Production Rate Limit

The production rate of the hot-mix asphalt plant, while located in any PM-10 non-attainment or proposed PM-10 non-attainment areas, shall not exceed a maximum of four thousand, six hundred forty-three tons per day (4,643 T/day).

2.3 Air Stagnation Advisory Days

No operation of the hot-mix plant shall occur during days of Air Stagnation Advisory.

2.4 Burner Fuel

The sulfur content of the burner fuel shall not exceed 0.3 percent by weight for #1 fuel oil or 0.5 percent by weight for #2 fuel oil in accordance with IDAPA 16.01.01.728. The sulfur content shall also not exceed 1.75 percent by weight when burning either #4, #5 or #6 fuel oils in accordance with IDAPA 16.01.01.727.

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EXPIRES: DECEMBER 13, 2001

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2.5 Monitoring Equipment

The Permittee shall maintain and operate, in accordance with manufacturer's specifications, monitoring equipment to continuously measure the pressure differential and scrubbing media flowrate of the wet scrubber.

2.6 Pressure Drop Across Wet Scrubber

The pressure drop across the wet scrubber shall be maintained within manufacturer's or Operation and Maintenance (O&M) Manual specifications. Documentation of the operating pressure drop specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

2.7 Scrubbing Media Flowrate to the Wet Scrubber

The scrubbing media flowrate to the wet scrubber shall be maintained within manufacturer's or Operation and Maintenance (O&M) Manual specifications. Documentation of the operating scrubbing media flowrate specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

2.8 Control of Fugitive Emissions

Emissions due to operations of the hot-mix asphalt plant, traffic on haul roads, traffic areas, and all aggregate handling equipment shall be reasonably controlled in accordance with IDAPA 16.01.01.651 and IDAPA 16.01.01.808.

Reasonable controls may include, but are not limited to, the following:

2.8.1 Use of water or environmentally safe chemicals;

2.8.2 Application of dust suppressants;

2.8.3 Use of control equipment;

2.8.4 Covering of trucks;

2.8.5 Paving; and

2.8.6 Prompt removal of earth or other stored material from streets, where practical.

3. MONITORING AND RECORDKEEPING REQUIREMENTS3.1 Operations and Maintenance Manual Requirements

Within sixty (60) days after the issuance of this permit, the Permittee shall have developed an O&M Manual for the wet scrubber which describes the procedures that will be followed to comply with General Provision B and Sections 2.6 and 2.7 of this permit. This Manual shall remain on-site at all times, and copies shall be made available to DEQ representatives upon request.

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3.2 Monitor Operating Parameters

The Permittee shall monitor and record the following information. The most recent two (2) years' compilation of data shall be kept on-site in a log and be made available to DEQ representatives upon request.

3.2.1 Hot-mix asphalt production in tons per month and tons per year;

3.2.2 While located in any PM-10 non-attainment or proposed PM-10 non-attainment area, the hot-mix asphalt production in tons per day;

3.2.3 The type of fuel used in the burner;

3.2.4 Pressure drop across the scrubber on a daily basis; and

3.2.5 Scrubbing media flowrate on a daily basis.

3.3 Reasonable Control Measures

The Permittee shall monitor and record in a log, during operation, the periodic method(s) used to reasonably control emissions from: dryers, systems for screening, handling, storing, and weighing hot aggregate, systems for mixing hot-mix asphalt, and the loading, transfer, and storage systems associated with emission control systems. The log shall also include the type of control used (i.e., water, environmentally safe chemical dust suppressants, etc.), as well as the circumstances under which no controls are utilized. The most recent two (2) years' compilation of data shall be kept on-site and be made available to Department representatives upon request.

4. REPORTING AND RECORDKEEPING REQUIREMENTS

4.1 Reporting Requirements for Portable Equipment

At least ten (10) days prior to relocation of any equipment covered by this permit, the Permittee shall report to DEQ, on relocation forms supplied by DEQ, the following information:

4.1.1 Exact location of the new site of operations;

4.1.2 Start-up date at the new site of operations and the duration of operations at the new site;

4.1.3 A scaled plot plan clearly showing the property boundary of the new site; and

4.1.4 Equipment to be used at the new location.

4.2 Certification of Documents

All documents, including, but not limited to, application forms for Permits to Construct, monitoring data, supporting information, requests for confidential treatment, testing reports or compliance certifications submitted to the Department shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief

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formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

APPENDIX A

Idaho Sand & Gravel - Portable Asphalt Plant
Hourly (lb/hr) and Annual (T/yr) Emission Limits^a

	SO ₂ ^b	
Source	lb/hr	T/yr
Dryer Stack	85.7	99.0

Hourly (lb/hr) Emission Limits^a
In PM-10^c Nonattainment or Proposed Nonattainment Areas

	PM-10 ^c
Source	lb/hr
Dryer Stack	7.5

- As determined by a pollutant specific U.S. EPA reference method, DEQ approved alternative, or as determined by the Department's emission estimation methods used in the permit application analysis.
- Sulfur dioxide (SO₂).
- Particulate matter with an aerodynamic diameter less than or equal a nominal ten (10) micrometers (PM-10).

ISSUED: DECEMBER 13, 1996
EXPIRES: DECEMBER 13, 2001

OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- B. The Permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The Permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the Permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the Permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the Permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

ISSUED: <u>DECEMBER 13, 1996</u>
EXPIRES: <u>DECEMBER 13, 2001</u>

- H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures which must be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the Permittee shall adhere to all of the operation and maintenance procedures contained therein.
- I. Performance tests (i.e.; air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with the Department's Procedures Manual for Air Pollution Control. Such testing shall not be conducted on weekends or state holidays unless the Permittee obtains prior Department approval.

The Permittee shall submit a test protocol and a proposed test date for each performance test required by this permit to the Department for approval at least thirty (30) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The Permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five (5) working days advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within forty-five (45) days of the date on which a performance test required by this permit is concluded, the Permittee shall submit to the Department a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

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EXPIRES: <u>DECEMBER 13, 2001</u>